

<i>Occupation</i>	<i>Description</i>	<i>Total Openings</i>	<i>Annual Wage</i>
Fiberglass Laminators & Fabricators	Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, or other products. Example: Fiberglass Boat Builder Education Requirement: Moderate-term on-the-job training	154	\$29,170
Painters, Transportation Equipment	Operate or tend painting machines to paint surfaces of transportation equipment, such as automobiles, trucks, trains, boats, and airplanes. Education Requirement: Moderate-term on-the-job training	75	\$35,380
Supervisors of Production Workers	Supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators. Education Requirement: Work experience in a related occupation	74	\$46,150
Production Workers Other	Workers with multiple production skills involved in the manufacturing of ships and boats. Education Requirement: Long-term on-the-job training	72	\$23,730
Woodworking Machine Operators	Set up, operate, or tend woodworking machines, such as drill presses, lathes, shapers, routers, sanders, planers, and wood nailing machines. Education Requirement: Moderate-term on-the-job training	48	\$26,710
Carpenters	Construct, erect, install, or repair structures and fixtures made of wood. May also install cabinets, siding and batt or roll insulation. Example: Shipwright Education Requirement: Long-term on-the-job training	35	\$35,150
Team Assemblers	Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team and rotate through all or most of them. Education Requirement: Moderate-term on-the-job training	32	\$19,330
Engine & Other Machine Assemblers	Construct, assemble, or rebuild machines, such as engines, turbines, and similar equipment used in manufacturing industries. Education Requirement: Short-term on-the-job training	29	\$34,370
Welders	Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. Education Requirement: Long-term on-the-job training	27	\$27,140
Motorboat Mechanics	Repair and adjust electrical and mechanical equipment of gasoline or diesel powered inboard or inboard-outboard boat engines. Education Requirement: Short-term on-the-job training	23	\$33,600
Laborers & Material Movers	Manually move freight, stock, or other materials or perform other unskilled general labor. Education Requirement: Short-term on-the-job training	18	\$21,850
Structural Metal Fabricators & Fitters	Fabricate, lay out, position, align, and fit parts of structural metal products. Education Requirement: Moderate-term on-the-job training	16	\$30,420
Riggers	Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertainment industry. Education Requirement: Short-term on-the-job training	15	\$33,090
Machinists	Set up and operate a variety of machine tools to produce precision parts and instruments. Include precision instrument makers who fabricate, modify, or repair mechanical instruments. Education Requirement: Long-term on-the-job training	13	\$34,330
 Equal Opportunity Employer/Program • Auxiliary aids and services are available upon request to individuals with disabilities.			

Opportunities in Rhode Island's Ship and Boat Building Industry



Labor Market Information

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As of September 2004, there were 49 companies in Rhode Island classified in Ship and Boat Building employing a total of 3,616 workers. While declines in Rhode Island's Manufacturing sector are expected to continue during the 2002 to 2012 projection period, Transportation Equipment manufacturing of which Ship and Boat Building is a major component, is expect to hold its own.

Nationally, there were 1,957 Ship and Boat Building establishments in 2003 employing 143,849 workers. Growth is expected at the national level as 2012 employment is expected to reach 157,000.

Virginia is the largest employer in this industry, employing 21,122 workers, representing nearly 15 percent of the nation's employment. Rhode Island ranked twelfth in the nation with its 3,425 workers accounting for 2.4 percent of the national

employment. In comparison, total employment in Rhode Island ranked 43rd, representing less than one percent (0.4%) of the nation's private sector employment.

The 2003 annual average wage for Ship and Boat Building was \$41,469 nearly 20 percent higher than the 2003 private sector annual average wage of \$34,860. The Rhode Island 2003 annual average wage for Ship and Boat Building ranked sixth in the country and was nearly 2.5 percent higher than the national average of \$40,500.

Job openings result from two major factors: the need to replace workers who leave an occupation because of a job change, retirement or death and the need to fill vacancies generated by economic expansion. During the 2002 to 2012 projection period it is estimated that the Ship and Boat Building industry will need to find workers to fill

The Ship and Boat Building Industry

Includes establishment's primarily engaged in operating ship or boat manufacturing facilities known as shipyards or boatyards. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, which is defined as watercraft typically intended for nonpersonal or recreational use. Boats are defined as watercraft not built in shipyards and are typically intended for personal uses.

Rhode Island 2012 Projections

Employment in Ship and Boat Building

Employment In:	2002 Employment	2012 Projection	Numeric Change	Percent Change
Rhode Island	505,561	563,909	58,348	+11.5%
Manufacturing	62,159	53,785	-8,374	-13.5%
Transportation Equipment	3,754	3,800	46	+ 1.2%

nearly 1,000 job openings. Occupational classifications such as Fiberglass Laminators & Fabricators; Painters, Production Managers/ Supervisors; Production Workers - Other; Woodworking Machine Setters, Operators & Tenders; Carpenters; Team Assemblers; Engine and Other Machine Assemblers; Welders; Motorboat Mechanics; Laborers and Material Movers; Structural Metal Fabricators and Fitters; Riggers; and Machinists will account for nearly two-thirds of the projected openings. The skills needed for most of these jobs can be learned through on-the job training programs ranging in length from a few weeks to a few years of employer sponsored training.

In 2003, the Rhode Island median wage for these high demand occupations range from a low of \$9.29 per hour for Team Assemblers to a high of \$22.19 per hour for Production Managers and Supervisors.